

**REMARKS**

Reconsideration of the above-identified patent application in view of the following remarks is respectfully requested.

Claims 1-25 are in this application.

Claims 1, 20, 24 and 25 have now been amended.

Referring to the Examiner's explicit rejections:

**Claim Rejections - 35 USC 102**

Claims 1-15 and 17-25 are rejected under 35 USC 102(e), as being anticipated by Chen, et al. (US 6,496,979 B1).

The present invention teaches an integrated platform which provides an end-to-end solution for managing the workflow of creating, aggregating, and publishing user applications for provisioning to a range of limited resource devices. The workflow starts with the creation of the user application by the content provider. The user application is then sent to the service provider. The service provider examines the user application to validate the user application against predefined requirements, and to determine which of a plurality of predetermined limited resource devices the user application is compatible with. Once approved as being compatible, the user applications are then published and may then be enabled.

Chen, et al., teaches a system and method for installing a plurality of applications for a plurality of mobile devices from a storage source, wherein each mobile device is of a different type, and each application is designed for a unique type of mobile device. As discussed at column 2, line 64 of the patent to Chen, et al., the mobile device is first connected to the storage source, and the type of mobile device must be first detected, after which a selected application corresponding to the type of mobile device detected is then transferred to the mobile device. This teaches away from the present invention, wherein a user application is examined by an integrated platform to determine compatibility with limited- resource devices, and only compatible limited-resource devices are enabled to download the user application.

The suggestion of the Examiner that "... enabling only those limited-resource devices found to be compatible with the user application, to download the user

application" (Claim 1 of the present application) is disclosed in the patent to Chen, et al., at column 8, lines 55-61, has been noted. It is submitted, however, that this portion of the cited patent specifically states that "since the setup package files 10A-10D include all of the files necessary to run the corresponding applications 5A-5D, complete transfer of the setup package files 10A-10D to the mobile device 3 in an uncompressed format assures that the mobile device 3 has enough available memory for the applications 5A-5D once the setup package file is 'unpacked.'" Clearly, transfer of a complete setup package containing all the program applications stored therein to the mobile device, as taught by Chen, et al., is quite different from enabling downloading of a specific user application by only those limited-resource devices found to be compatible with the user application, as taught in amended Claims 1, 20, 24, and 25.

In contrast to the method to Chen, et al., amended Claim 1 recites "A method for provisioning a user application by a content provider for delivery to a range of limited resource devices through an integrated platform, comprising: creating the user application by the content provider; submitting the user application to the integrated platform by the content provider; examining the user application by the integrated platform to validate the user application against respective predefined requirements of limited resource devices of said range and thereby to determine which of said range of limited resource devices the user application is compatible with; and if the user application is accepted, publishing the user application by the integrated platform, and enabling only those limited-resource devices found to be compatible with the user application, to download the user application; wherein said range is greater than one."

The present invention, as explained hereinabove and defined by amended claim 1, provides an end-to-end solution to the problem of managing the workflow of creating, aggregating and publishing user applications for provisioning to a range of limited resource devices. With the present invention, the user application is created by the content provider and then sent to the integrated platform. The integrated platform validates the user application against predefined requirements as well as determines the compatibility of the user application with various limited resource devices of the range. For example, the present application describes on page 12, line 16: "During the "verifying" state, the content is preferably validated through various automatic

checks/examinations, such as certification validation, size checking, various conventions, matching to target devices, and so forth."

Chen never discloses or even hints at the idea of providing such an end-to-end solution for the workflow of creating, aggregating, and publishing user applications for provisioning to a range of limited resource devices, including validating the user application as well as determining the compatibility of the user application with various limited resource devices, as taught by the present invention. Instead, Chen states, at column 3, line 1, that a file containing all the program applications is stored in a setup package, which is transferred for storage on the mobile device. The setup package file is unpacked, the executable application program is installed on the mobile device, and the setup package file is then deleted.

It is thus respectfully maintained that amended claim 1 is not anticipated by the patent to Chen, et al., and should be allowed.

Amended Claim 20 recites "A system for providing a user application to a range of limited resource devices, the system comprising: (a) a limited resource device for receiving the user application; (b) a content provider for creating the user application; and (c) a service provider for examining the user application to validate the user application against respective predefined requirements of limited resource devices of said range, and thereby to determine usability of the user application by given limited resource devices of said range, and if the user application is accepted, publishing the user application, and enabling the downloading of the user application only by compatible limited resource devices belonging to said range; wherein said range is greater than one."

Chen, et al., neither shows nor suggests the idea of such an end-to-end system for the workflow of creating, aggregating and publishing user applications for provisioning to a range of limited resource devices, including validating the user application against predefined requirements as well as determining the compatibility of the user application with various limited resource devices, as taught by the present invention, and defined by amended claim 20.

It is thus respectfully maintained that amended claim 20 is not anticipated by the patent to Chen, et al., and should be allowed.

Amended Claim 24 recites "A method for aggregating a user application for delivery to a range of limited resource devices by a service provider, the limited resource devices having at least one characteristic, the method comprising: submitting the user application to the service provider; determining at least one rule for controlling the user application; validating the user application against respective predefined requirements of limited resource devices of said range; altering at least one function of the user application according to at least one characteristic of the limited resource device of said range; customizing the user application according to at least one rule by the service provider; and allowing said user application to be downloaded to a compatible limited resource device of said range; wherein said range is greater than one."

Chen, et al., neither shows nor suggests the idea of such an end-to-end method for the workflow of creating, aggregating and publishing user applications for provisioning to a range of limited resource devices, including validating the user application against predefined requirements, as taught by the present invention, and defined by amended claim 24.

It is thus respectfully maintained that amended claim 24 is not anticipated by the patent to Chen, et al., and should be allowed.

Amended Claim 25 recites "A method for provisioning a user application by a content provider for delivery to a range of limited resource devices, the method comprising: providing a service provider for delivering the user application to the limited resource devices, said service provider being configured to validate the user application against respective predefined requirements of limited resource devices of said range; creating the user application by the content provider; determining at least one characteristic of the user application by the content provider; submitting the user application to the service provider by the content provider, wherein at least one of creating the user application, determining at least one characteristic of the user application by the content provider, submitting the user application to the service provider by the content provider, wherein at least one of creating the user application, determining the at least one characteristic of the user application, and submitting the user application is controlled by at least one rule determined by the service provider; and aggregating the user application by the service provider, thereby to render said

application downloadable from said aggregation specifically to a limited resource device belonging to said range, to execute said application; wherein said range is greater than one."

Chen, et al., neither shows nor suggests the idea of such an end-to-end method for the workflow of creating, aggregating and publishing user applications for provisioning to a range of limited resource devices, wherein the service provider is configured for validating the user application against predefined requirements, as taught by the present invention, and defined by amended claim 25.

It is thus respectfully maintained that amended claim 25 is not anticipated by the patent to Chen, et al., and should be allowed.

The remaining claims 2-19, and 21-23 are believed to be allowable as being dependent on allowable amended claims 1 and 20, respectfully.

#### **Claim Rejections – 35 USC 103**

The Examiner has rejected claim 16, under USC 103 (a) as being unpatentable over Chen, in view of U.S. Patent 6,591,095 B1 issued to Palaniswamy, et al. The Examiner's rejection is respectfully traversed.

Favorable reconsideration of this rejection is respectfully requested since, as will be shown below, the claim 16 is not obvious over the prior art cited by the Examiner.

The present invention teaches an integrated platform which provides an end-to-end solution for managing the workflow of creating, aggregating and publishing user applications for provisioning to a range of limited resource devices. The workflow starts with the creation of the user application by the content provider. The user application is then sent to the service provider. The service provider examines the user application to validate the user application against predefined requirements, and to determine which of a plurality of predetermined limited resource devices the user application is compatible with. Once approved as being compatible, the user applications are then published and may then be enabled.

Chen, et al., teaches a system and method for installing a plurality of applications for a plurality of mobile devices from a storage source, wherein each mobile device is of a different type, and each application is designed for a unique type

of mobile device. As discussed at column 2, line 64 of the patent to Chen, et al., the mobile device is first connected to the storage source, and the type of mobile device must be first detected, after which a selected application corresponding to the type of mobile device detected is then transferred to the mobile device. This teaches away from the present invention, wherein a user application is examined by an integrated platform to determine compatibility with limited- resource devices, and only compatible limited-resource devices are enabled to download the user application.

Palaniswamy, et al., teaches a method for determining the administrator of a mobile communications device connectable to a telecommunications network. There are also disclosed processes for determining whether a Subscriber Entity Module is present with a digital certificate for designating administrative responsibilities in a mobile communications device. A mechanism is provided to designate administrative privileges to an entity by the owner of the mobile communications device.

The Examiner's suggestion that it would have been obvious to one of ordinary skill in the art to modify Chen by adding the flavor in a JAR (java archive) file as taught by Palaniswamy has been noted. However, Chen neither shows nor suggests an integrated platform which provides an end-to-end solution for managing the workflow of creating, aggregating and publishing user applications for provisioning to a range of limited resource devices, as in the present invention. According to the present invention, the workflow starts with the creation of the user application by the content provider, the user application is then sent to the service provider, and the service provider examines the user application to validate the user application against predefined requirements and to determine which of a plurality of predetermined limited resource devices the user application is compatible with. Once approved as being compatible, the user applications are then published and may then be enabled. In contrast, Chen, et al. teaches away from the present invention, as discussed above.

Therefore, even if one were to modify the teachings of Chen, et al., by adding the flavor in a JAR (java archive) file as taught by Palaniswamy, one would not arrive at the invention of claim 16.

It is submitted, therefore, that claim 16 is patentable over Chen, et al., in view of Palaniswamy.

**Conclusion**

Each of independent claims 1, 20, 24, and 25, as currently amended, contains combinations of features that are neither anticipated by nor obvious in light of the cited art. Applicant is of the opinion that independent claims 1, 20, 24, and 25, as currently amended, and consequently all claims dependent therefrom, are in condition for allowance.

All the issues raised by the Examiner have been dealt with and Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,



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Date: May 2, 2006

Enclosed:

Petition For Extension (Three Months)